



CIRM is spearheading California's global leadership in stem cell research by accelerating the development of medical treatments and delivering economic benefits across the state.

Accelerating Results

The stem cell agency is accelerating results—making scientific advances to develop treatments for people suffering from disease and injury.

- The stem cell agency has created an environment across California that strongly supports both public and private sector research into life-saving and life-improving therapies.
- Our “Disease Team” approach creates unique partnerships among researchers to try and speed up the timetable for clinical trials of the most promising treatments.
- CIRM has turned California into a global leader in stem cell research. We have created partnerships with governments and organizations in 12 countries, one U.S. state, two international states and four foundations leveraging the best scientific minds in the world.
- CIRM-funded research has already led to four clinical trials, in cancers, blood disorders, and the nerve system disorder ataxia. Several more therapies are expected to join that list soon
- We are supporting industry to move their most promising therapies into clinical trials by awarding \$132 million to 14 California-based companies

Good Investment

CIRM is a good Investment for the people of California, boosting the state's economy, and working to decrease long-term healthcare costs.

- We are delivering economic results for Californians – both at the state level, and in dozens of communities in every part of the state.
- CIRM's first \$1.6 billion in grants is generating \$286 million in new tax revenue for California.
- By supporting the establishment of new or expanded research facilities in California, CIRM is helping to create jobs (short-term and permanent) and stimulate long-term economic activity.
- CIRM's \$271 million in major facilities grants helped attract an additional \$884 million in funds from private donors and institutions.
- The stem cell treatments developed by CIRM grantees will reduce the cost of health care for the public and private sectors by helping to reduce or eliminate the effects of chronic diseases.
- CIRM is a good steward of the people's money – independent reviewers agree that we are lean, well-managed and effective.

Broad Research Focus

CIRM supports research into every type of stem cell, because all stem cells may be needed to deliver the greatest possible benefits.

- Research to date has proved that every kind of stem cell – adult, embryonic, reprogrammed (iPS) and cancer – holds potential for yielding results in treating dozens of life-threatening or life-impairing conditions.
- Research into the full range of stem cells is advancing our understanding of the complexities of human biology in ways that are leading to improvements in traditional treatments as well as new therapies.
- The more avenues open to stem cell researchers, the greater is our understanding and the greater will be the chance of identifying vital treatments and cures for all.
- CIRM funding has already resulted in more than 1,200 articles in scientific journals, advancing knowledge about all aspects of stem cell research.



CIRM

California's Stem Cell Agency

CALIFORNIA INSTITUTE FOR REGENERATIVE MEDICINE

Background

The state's stem cell agency, the California Institute for Regenerative Medicine (CIRM), was created by the California Stem Cell Research and Cures Act, a ballot measure passed by 59 percent of California voters in November 2004. The Institute is authorized to award \$3 billion in state bond funds to investigators at California universities, research institutions and companies for stem cell research.

Up to 10 percent of the funds can be used for building new or refurbishing older, outdated facilities.

CIRM Facts

Founded: 2004

Employees: 54 employees

Grants Approved: As of December 2012, the CIRM governing board had approved 580 research and facility grants to 69 California institutions, totaling more than \$1.72 billion, with \$1 billion already dispersed to those projects.

CIRM's major facilities construction alone generated thousands of new jobs between 2008 and 2012.

CIRM's research grants are estimated to generate 2.3 dollars in economic activity in the state for every dollar from CIRM.

CIRM has already been notified of 70 inventions from CIRM-funded projects, and when those patents are recorded and licenses begin to generate revenue, a portion of those fees will go straight into the state's general fund.

Governance

The stem cell agency is governed by the **Independent Citizens Oversight Committee (ICOC)**, a 29-member board composed of: leaders appointed by the Chancellors of the University of California system with medical schools; and others appointed by elected officers, including leaders of other universities and medical research institutions in California; leaders of California patient advocacy groups; and experts in the development of medical therapies from life sciences firms.

Executives



Jonathan Thomas
ICOC Chair

Art Torres
ICOC Vice Chair

Duane Roth
ICOC Vice Chair

Alan O. Trounson, Ph.D.
CIRM President

How We Work

Identify a need. Our science staff, in partnership with outside scientific experts, identify an area where CIRM funding can make a difference in advancing stem cell science. This could be in promoting basic research, moving research from the lab into clinical trials, or attracting world-class researchers to California.

Independent outside reviewers. A team of independent scientific and business experts, from outside California, review the applications for funding for those areas and determine which are the most promising. Our governing board, the ICOC then votes, based on the review group's recommendations, which ones to fund.

Push for progress. We actively monitor progress on the research we fund working with project leaders to make sure they are making maximum gains toward the stated goals.



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